

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	333	310/340.cds.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 08:05
S2	108453	piezo\$	US-PGPUB; USPAT	OR	ON	2006/05/09 08:30
S3	102388	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2006/05/10 10:35
S4	11751	S2 and S3	US-PGPUB; USPAT	OR	ON	2006/05/09 08:31
S5	102583	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2006/05/09 08:31
S6	1136	S4 and S5	US-PGPUB; USPAT	OR	ON	2006/05/09 13:18
S8	2	((("6,196,059") or ("20020151082")).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/09 09:38
S9	208338	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2006/05/09 11:18
S10	108453	piezo\$	US-PGPUB; USPAT	OR	ON	2006/05/09 11:18
S11	6204	S10 and S9	US-PGPUB; USPAT	OR	ON	2006/05/09 11:18
S12	635216	sensor	US-PGPUB; USPAT	OR	ON	2006/05/09 11:19
S13	3828	S11 and S12	US-PGPUB; USPAT	OR	ON	2006/05/09 11:19
S14	176138	oscillator	US-PGPUB; USPAT	OR	ON	2006/05/09 11:19
S15	659	S13 and S14	US-PGPUB; USPAT	OR	ON	2006/05/09 12:01
S16	1	"20020194908".pn.	US-PGPUB; USPAT	OR	ON	2006/05/09 12:48
S17	7399	quartz with oscillator	US-PGPUB; USPAT	OR	ON	2006/05/09 12:48
S18	2025	S12 and S17	US-PGPUB; USPAT	OR	ON	2006/05/09 12:49
S19	77529	(electromagnetic e/m em conduct\$3 metal metallic) with shield\$3	US-PGPUB; USPAT	OR	ON	2006/05/09 12:49
S20	107	S18 and S19	US-PGPUB; USPAT	OR	ON	2006/05/09 15:01
S21	451	flowcell	US-PGPUB; USPAT	OR	ON	2006/05/09 13:19

S22	47	S10 and S21	US-PGPUB; USPAT	OR	ON	2006/05/09 13:28
S23	323890	series with connect\$4	US-PGPUB; USPAT	OR	ON	2006/05/09 13:29
S24	102388	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2006/05/09 13:29
S25	11751	S10 and S24	US-PGPUB; USPAT	OR	ON	2006/05/09 13:29
S26	102583	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2006/05/09 13:29
S27	1136	S25 and S26	US-PGPUB; USPAT	OR	ON	2006/05/09 13:29
S28	281	S27 and S23	US-PGPUB; USPAT	OR	ON	2006/05/10 11:25
S34	1	("6703877").PN. OR ("6870430").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 10:27
S35	1	"6647778".pn.	US-PGPUB; USPAT	OR	ON	2006/05/10 10:35
S38	108453	piezo\$	US-PGPUB; USPAT	OR	ON	2006/05/10 11:03
S39	102388	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2006/05/10 11:03
S40	11751	S38 and S39	US-PGPUB; USPAT	OR	ON	2006/05/10 11:03
S41	102583	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2006/05/10 11:03
S42	1136	S40 and S41	US-PGPUB; USPAT	OR	ON	2006/05/10 11:03
S43	21	S42 and smith.in.	US-PGPUB; USPAT	OR	ON	2006/05/10 11:04
S44	6046	S38 and sensor and (connect\$4 with series)	US-PGPUB; USPAT	OR	ON	2006/05/10 11:30
S45	2964	S44 and (sensor with (system array))	US-PGPUB; USPAT	OR	ON	2006/05/10 11:26
S46	682	S45 and S41	US-PGPUB; USPAT	OR	ON	2006/05/10 11:27
S47	1777	S38 and sensor same (connect\$4 with series)	US-PGPUB; USPAT	OR	ON	2006/05/10 11:30
S48	1118	S38 and (sensor with (connect\$4 with series))	US-PGPUB; USPAT	OR	ON	2006/05/10 11:41
S49	136	S38 and (sensor with (connect\$4 with series)) and (crystal with oscillator)	US-PGPUB; USPAT	OR	ON	2006/05/10 11:44
S50	296	S38 and (sensor with (connect\$4 with series)) and S39	US-PGPUB; USPAT	OR	ON	2006/05/10 11:44
S52	1	"6651488".pn.	US-PGPUB; USPAT	OR	ON	2006/05/10 12:42

S53	22	amersham.as. and piezo\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 07:23
S54	3	"2002047246".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 07:23
S55	1	"200247246".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 07:24
S56	2	"7045931".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:16
S57	349	310/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/14 09:16
S58	360	310/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/03 06:47
S59	124022	piezo\$	US-PGPUB; USPAT	OR	ON	2007/05/03 07:12
S60	116105	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2007/05/03 07:12
S61	13919	S59 and S60	US-PGPUB; USPAT	OR	ON	2007/05/03 07:12
S62	111068	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2007/05/03 07:12
S63	1314	S61 and S62	US-PGPUB; USPAT	OR	ON	2007/05/03 07:12
S64	230038	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13
S65	124022	piezo\$	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13
S66	7334	S65 and S64	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13
S67	723679	sensor	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13
S68	4626	S66 and S67	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13

S69	192246	oscillator	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13
S70	775	S68 and S69	US-PGPUB; USPAT	OR	ON	2007/05/03 07:13
S71	378	310/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/20 11:50
S72	129922	piezo\$	US-PGPUB; USPAT	OR	ON	2007/09/20 12:43
S73	121540	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2007/09/20 12:43
S74	14785	S72 and S73	US-PGPUB; USPAT	OR	ON	2007/09/20 12:43
S75	114191	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2007/09/20 12:43
S76	1384	S74 and S75	US-PGPUB; USPAT	OR	ON	2007/09/20 12:43
S77	238597	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S78	129922	piezo\$	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S79	7844	S78 and S77	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S80	757974	sensor	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S81	4985	S79 and S80	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S82	198250	oscillator	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S83	838	S81 and S82	US-PGPUB; USPAT	OR	ON	2007/09/20 15:28
S84	8330	quartz with oscillator	US-PGPUB; USPAT	OR	ON	2007/09/20 15:27
S85	2363	S80 and S84	US-PGPUB; USPAT	OR	ON	2007/09/20 15:29
S86	1077	flow\$1cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/24 07:59
S87	238597	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29
S88	129922	piezo\$	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29
S89	7844	S88 and S87	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29

S90	757974	sensor	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29
S91	4985	S89 and S90	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29
S92	198250	oscillator	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29
S93	838	S91 and S92	US-PGPUB; USPAT	OR	ON	2007/09/24 09:29
S94	129922	piezo\$	US-PGPUB; USPAT	OR	ON	2007/09/24 09:30
S95	114191	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2007/09/24 09:30
S96	7193	S94 and sensor and (connect\$4 with series)	US-PGPUB; USPAT	OR	ON	2007/09/24 09:30
S97	3572	S96 and (sensor with (system array))	US-PGPUB; USPAT	OR	ON	2007/09/24 09:30
S98	778	S97 and S95	US-PGPUB; USPAT	OR	ON	2007/09/24 09:31
S99	1554	S93 S98	US-PGPUB; USPAT	OR	ON	2007/09/24 09:31
S100	76	(conduct\$3 near3 shield) with (metal near3 tape)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 08:12
S101	8	(conduct\$3 near3 shield) with (metal near3 spray\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 08:12
S102	28	(US-20050055814-\$ or US- 20060049826-\$ or US- 20060091763-\$ or US- 20040051595-\$ or US- 20030041654-\$ or US- 20060169045-\$ or US- 20050092079-\$ or US- 20040195691-\$ or US- 20040155715-\$ or US- 20020194908-\$ or US- 20030154787-\$).did. or (US-6535824-\$ or US- 6651488-\$ or US-6313569- \$ or US-6370939-\$ or US- 7045931-\$ or US-6439765- \$ or US-6543274-\$ or US- 4586382-\$ or US-4534223- \$ or US-4512198-\$ or US- 6870430-\$ or US-6748807- \$ or US-6647778-\$ or US- 6384337-\$ or US-4488125- \$ or US-5421080-\$).did. or (WO-200247246-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/09/25 08:40

S103	6	S102 and plastic	US-PGPUB; USPAT; DERWENT	OR	ON	2007/09/25 10:29
S104	1119	310/337,338.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 09:44
S105	7143	((metal\$3 conduct\$3) near3 shield) with (inner inside interior)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:06
S106	159	S105 and piezo\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:06
S107	1077	flow\$1 cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:36
S108	380	310/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:37
S109	754	(S104 S107 S108) and plastic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 10:37
S110	1132	310/337,338.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 13:21
S111	390	310/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 13:21
S112	7235	((metal\$3 conduct\$3) near3 shield) with (inner inside interior)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 13:21

S113	166	S112 and piezo\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 13:21
S114	250304	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S115	138457	piezo\$	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S116	8509	S115 and S114	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S117	807056	sensor	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S118	5454	S116 and S117	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S119	206877	oscillator	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S120	927	S118 and S119	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S121	138457	piezo\$	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S122	118649	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S123	7679	S121 and sensor and (connect\$4 with series)	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S124	3816	S123 and (sensor with (system array))	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S125	807	S124 and S122	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S126	1672	S120 S125	US-PGPUB; USPAT	OR	ON	2008/04/10 14:23
S127	1144	flow\$1 cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/10 14:24
S128	250304	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24
S129	138457	piezo\$	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24
S130	8509	S129 and S128	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24
S131	807056	sensor	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24
S132	5454	S130 and S131	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24
S133	206877	oscillator	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24

S134	927	S132 and S133	US-PGPUB; USPAT	OR	ON	2008/04/10 14:24
S135	138457	piezo\$	US-PGPUB; USPAT	OR	ON	2008/04/10 14:34
S136	129434	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2008/04/10 14:34
S137	16080	S135 and S136	US-PGPUB; USPAT	OR	ON	2008/04/10 14:34
S138	118649	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2008/04/10 14:34
S139	1477	S137 and S138	US-PGPUB; USPAT	OR	ON	2008/04/10 14:34
S140	117	((fluid liquid flow\$4) and sensor and piezo\$ and shield\$3).clm.	US-PGPUB	OR	ON	2008/04/10 15:02
S141	1138	310/337,338.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/14 08:55
S142	407	310/340.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/14 08:55
S143	7452	((metal\$3 conduct\$3) near3 shield) with (inner inside interior)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/14 08:55
S144	172	S143 and piezo\$	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/14 08:55
S145	261534	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S146	146785	piezo\$	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S147	9196	S146 and S145	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S148	855693	sensor	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S149	5953	S147 and S148	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S150	215032	oscillator	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S151	1051	S149 and S150	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55



S152	146785	piezo\$	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S153	122818	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S154	8149	S152 and sensor and (connect\$4 with series)	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S155	4072	S154 and (sensor with (system array))	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S156	836	S155 and S153	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S157	1822	S151 S156	US-PGPUB; USPAT	OR	ON	2008/10/14 08:55
S158	1203	flow\$1 cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/10/14 08:56
S159	215032	oscillator	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S160	261534	intake inflow outtake outflow	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S161	146785	piezo\$	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S162	9196	S161 and S160	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S163	855693	sensor	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S164	5953	S162 and S163	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S165	1051	S164 and S159	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S166	146785	piezo\$	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S167	137255	(fluid liquid) same sensor	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S168	17367	S166 and S167	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S169	122818	oscillat\$3 with circuit	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S170	1595	S168 and S169	US-PGPUB; USPAT	OR	ON	2008/10/14 08:56
S171	119	((fluid liquid flow\$4) and sensor and piezo\$ and shield\$3).clm.	US-PGPUB	OR	ON	2008/10/14 08:56

10/15/2008 4:42:09 PM

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